NAMING CONVENTIONS

Transactional Facility Management Standard (FMSFIE) for Facilities, Infrastructure, & Environment

Updated at January 15-16, 2002 FM Focus Group Meeting

Purpose

- Incorporate DISA naming conventions, where appropriate.

- Provide a <u>consistent</u> means of abbreviating data names to a <u>reasonable</u> length without sacrificing <u>readability.</u>

- Develop a methodology to migrate legacy data into a Facility, Infrastructure, & Environment (FIE) enterprise approach.
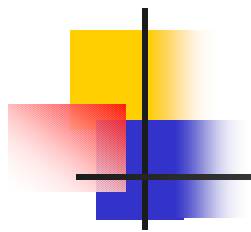
Goals

- Be flexible enough to accommodate other corporate businesses.

- Reduce redundancy, inconsistency, and maintenance costs.

- Improve communication/coordination between decision makers.

- Improve information interoperability.

General Guidelines

- Use DISA data element naming guidelines.

- Ensure data names, definitions, and abbreviations are used consistently within the FMSFIE.

- Common names should reflect the user's view.

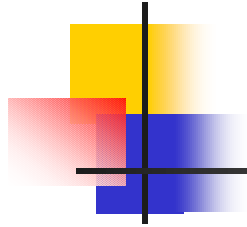# FMSFIE Table Naming Conventions

FMSFIE Table Naming

- **Logical Data Model Name**
  - Composed of the Family name followed by a space followed by the Common name (ex. Water Tank)
  - Limited to 75 characters in length

- **Common Name (FMSFIE Data Library)**
  - Named so that it is meaningful to user
  - Limited to 50 characters in length

FMSFIE Table Naming

- **Physical Database Table Name**
  - Composed of the abbreviations of the following:
    - Set (2 characters) – AM = Asset Management
    - Class (3 characters) – FAC = Facility
    - Sub-Class (3 characters) – UTL = Utilities
    - Family (3 characters) – WAT = Water System
    - Common Name (3 characters) - TNK = Tank

  - Has the abbreviations concatenated together without any spaces (ex. AMFACUTLWATTNK)

  - Limited to 14 characters in length

FMSFIE Attribute Naming Conventions

FMSFIE Logical Data Model Attribute Naming

- **Use the DISA data element (attribute) name if one exists**

- **Otherwise, follow DISA data element (attribute) naming conventions**

- **Name is Composed of the following:**
  - Logical Data Model Table name – Water Tank
  - Property Modifier (optional) – Install
  - Class Modifier (optional) - Start
  - DISA Class Word – Date

FMSFIE Logical Data Model Attribute Naming (continued)

- Example - Water Tank Install Start Date

- Limited to 100 characters in length

- Attribute Logical Name must be unique within the data table.

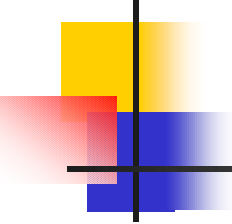# FMSFIE Common Attribute Naming (FMSFIE Data Library)

- Composed of at least two of the following:
  - Common Table Name (optional) - Tank
  - Property Modifier (optional) - Install
  - Class Modifier (optional) - Start
  - DISA Class Word (recommended) - Date

- Example – Tank Install Start Date

- Attribute Common Name must be unique within the data table.

FMSFIE Common Attribute Naming (FMSFIE Data Library) (continued)

- Limited to 100 characters in length.

- Named so that it is meaningful to user.

FMSFIE Physical Database Attribute Naming

- Use the DISA data element (attribute) access name if one exists

- Otherwise, the name will be composed of the abbreviations of the following (at least one of the optional abbreviations is required):
  - Table Name (optional) - TNK
  - Property Modifier (optional) - INSTL
  - Class Modifier (optional) - START
  - DISA Class Word - DT

- Example – TNK_INSTL_START_DT

FMSFIE Physical Database Attribute Naming (continued)

- Limited to 30 characters in length.

- Separate abbreviations with underscores.

- Keys (primary or foreign) will not be specified with a particular class word (I.e., not with _id).

- Fields with associated domain (reference) tables will not be specified with a particular class word or abbreviation (I.e. not with _d or _cd).

- DISA class words may be used in the Physical Attribute Name other than in the last three positions. DISA class word abbreviations shall be used in physical attribute names.

Naming Abbreviation Guidelines for Physical Attribute Names

- Sources

- Methodology Guidelines

Sources

- DISA Defense Data Dictionary System (DDDS)

- Current SDSFIE/FMSFIE (Release 2.10)

- Current A/E/C CADD Standards (Release 2.00)

- Established Oxford English Dictionary (OED) abbreviations

- If not in OED, then use CADD/GIS selected established Federal Agency abbreviations.

Methodology Guidelines

- Use CADD/GIS Documented Naming Conventions and Rules

    - Abbreviate words more than 5 characters

    - Establish the "root" word

    - Apply the shortening and/or the discarding process

    - Do not abbreviate colors.

- An updated version will be distributed with each Release.

FMSFIE Domain Value Naming Conventions

FMSFIE Physical Database Domain Value Naming

- Use industry or established Federal Agency values (codes), if exist

- Provide number, alphanumeric value, & description/definition in standard.

- Provide 3 types of Domain Tables:
    - System – User cannot change or add to values
    - Local – Each local organization populates values
    - Modifiable – User can add values to table

FMSFIE Naming Conventions - Summary

FMSFIE Data Standard - Summary

- **Use existing CADD/GIS Center data standards as a baseline**

- **Maintain and utilize a configuration control process**

- **Provide integration with SDSFIE, AEC, & future Object data standards**